

Purdue Univ. Pharm

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1897/98

PURDUE UNIVERSITY

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SCHOOL OF PHARMACY

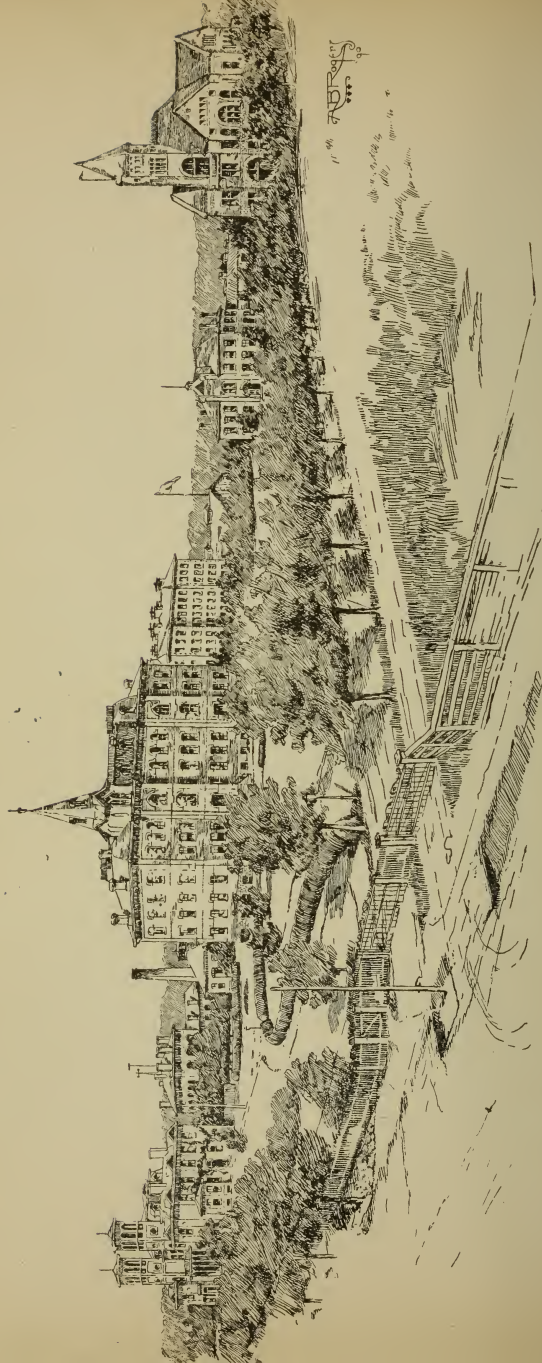


FEB 24 1917

Catalogue for 1897-98

Announcement for 1898-99

1897-8.



PURDUE UNIVERSITY CAMPUS.

- ART HALL.
- ENGINE HOUSE.
- PHARMACY BUILDING.
- UNIVERSITY HALL.
- MEN'S DORMITORY.
- SCIENCE HALL.
- ELECTRICAL BUILDING.
- ARMORY.

PURDUE UNIVERSITY.

FIFTEENTH ANNUAL
ANNOUNCEMENT.....

OF THE

School of Pharmacy

1898-99

INDIANAPOLIS:

Wm. B. Burford, Contractor for State Printing and Binding

1898

BOARD OF TRUSTEES.

BENJAMIN HARRISON	Indianapolis.
CHARLES B. STUART.....	LaFayette.
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OFFICERS OF THE BOARD.

CHARLES B. STUART.....	PRESIDENT.
EDWARD A. ELLSWORTH	SECRETARY.
JAMES M. FOWLER	TREASURER.

CALENDAR 1898-99.

1898.

Entrance examination ...	Tuesday, September 13, 9 A. M.
First term begins	Wednesday, September 14, 10:15 A. M.
Thanksgiving recess—	
From	Wednesday, November 23, 12 M.
To	Tuesday, November 29, 8:15 A. M.
First term ends.....	Wednesday, December 21, 4:30 P. M.

1899.

Second term begins	Tuesday, January 3, 10:15 A. M.
State examination	Thursday, March 23, 9 A. M.
Second term ends.....	Friday, March 24, 4:30 P. M.
Third term begins	Monday, March 27, 8:15 A. M.
Course I ends	Wednesday, March 29.
Third term ends.....	Tuesday, June 6, 4:30 P. M.
Commencement	Wednesday, June 7.

FACULTY.

JAMES H. SMART, A. M., LL. D.,
President of the University.

ARTHUR L. GREEN, PH. C., M. D., PH. D.,
Dean and Professor of Chemistry.

STANLEY COULTER, PH. D.,
Professor of Biology.

JULIUS W. STURMER, PH. G.,
Professor of Pharmacy.

GEORGE SPITZER, PH. G.,
Lecturer on Operative Pharmacy.

BENJAMIN M. HOAK, PH. G.,
Instructor in Materia Medica.

KATHERINE E. GOLDEN, M. S.,
Instructor in Botany.

SEVERANCE BURRAGE, B. S.,
Instructor in Sanitary Science.

CHARLES E. VANDERKLEED, PH. G., PH. C.,
Student-Assistant in Chemistry.

FRANK R. ELDRED, PH. G., PH. C.,
Student-Assistant in Chemistry.

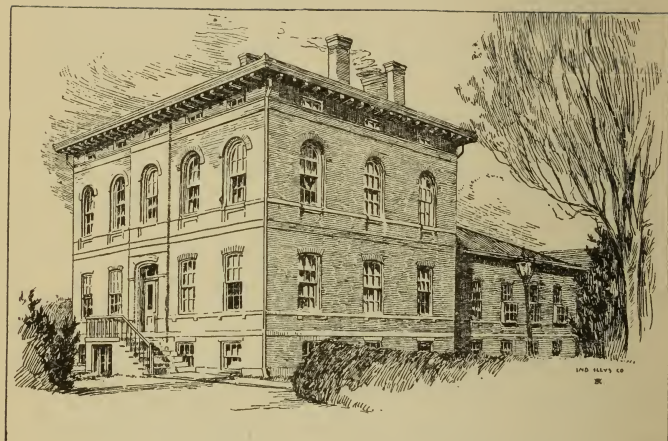
JOHN W. ALMOND, PH. G.,
Student-Assistant in Pharmacy.

GEORGE D. PARKS,
Special Lecturer on Pharmaceutical Jurisprudence.

JAMES D. HILLIS, M. D.,
Special Lecturer on Electro-Therapeutics.

STATE EXAMINERS.

W. O. GROSS.....Ft. Wayne.
R. I. EADS.....Indianapolis.
C. E. DEAM.....Bluffton.



PHARMACEUTICAL LABORATORY.

GENERAL STATEMENT.

PURDUE UNIVERSITY is the State Institute of Technology. It derives its name, through legislative enactment, from John Purdue, who gave to the State for the use of the institution one hundred and fifty thousand dollars. It has also received other gifts from individuals and from Tippecanoe County to the amount of three hundred and twenty-five thousand dollars.

It has an endowment fund of three hundred and forty thousand dollars, received from the general government, and is further supported by legislative appropriations and by the proceeds of annuities granted by the general government.

Its non-productive plant is valued at six hundred and fifty thousand dollars. This includes one hundred and eighty acres of land, twenty buildings, and a most extensive equipment, including laboratories, shops, museums, library, and reading rooms.

The institution embraces six schools: Mechanical Engineering, Civil Engineering, Electrical Engineering, Agriculture, Science, and Pharmacy.

The School of Pharmacy offers excellent training for those who expect to engage in a dispensing pharmacy, and for those who desire entering the laboratory of a manufacturing pharmacist. The instruction also constitutes a good preparatory course for those who anticipate attending a school of medicine.

Students in Course I are engaged at the University about six hours each day. About two-thirds of this time is devoted to laboratory work, and one-third to lectures and recitations. There are neither lectures, recitations nor quizzes in the evening, that time being allotted to home study and to preparation for the ensuing day's work. The student has, therefore, no time for clerking in a drug store, and must devote his undivided time and energy to his school work.

A complete catalogue of the University will be sent on application.

All correspondence relating to the School of Pharmacy should be addressed to

ARTHUR L. GREEN, Dean,
LaFayette,
Indiana.

JAMES H. SMART,
President of the University.

COURSES OF STUDY.

Purdue University offers two courses of study in the School of Pharmacy:

COURSE I of two years, the first year continuing thirty-six weeks, and the second year twenty-four weeks. This course leads to the degree of Graduate in Pharmacy.

For a description see below.

COURSE II of four years of thirty-six weeks each, leading to the degree of Bachelor of Science in Pharmacy. See page 21.

COURSE I.

DEGREE GIVEN.

Graduate in Pharmacy.

LENGTH OF COURSE.

The first year begins Wednesday, September 14, 1898, and closes Tuesday, June 6, 1899. The second year begins Wednesday, September 14, 1898, and ends Wednesday, March 29, 1899.

REQUIREMENTS FOR ADMISSION.

Candidates for admission must have a good knowledge of the common English branches. In arithmetic special familiarity with denominate numbers, fractions, percentage, and proportion will be required. Examination for applicants will be held Tuesday, September 13, at 9 A. M.

Those presenting satisfactory certificates of proficiency are exempt from entrance examinations. No experience in a drug store is required.

OUTLINE OF REQUIRED STUDIES IN COURSE I.

FIRST YEAR.		No. of Hours in Lecture Room.	No. of Hours in Laboratory.
1.	<i>Pharmacy</i>	72	216
2.	<i>Inorganic Qualitative Analysis</i>	78	234
3.	<i>Physiology</i>	26	...
4.	<i>Therapeutics and Doses</i>	26	...
5.	<i>Pharmacognosy</i>	..	36
6.	<i>Medicinal Plants</i>	..	20
7.	<i>Organic Chemistry</i>	72	...
8.	<i>Quantitative Analysis</i>	30	90
Total hours for the year		304	596
Average per week		25	

SECOND YEAR.		No. of Hours in Lecture Room.	No. of Hours in Laboratory.
9.	<i>Chemistry, Pharmacy, Materia Medica, and Therapeutics</i>	260	...
10.	<i>Manufacturing Chemistry and Pharmacy</i>	39	195
11.	<i>Pharmaceutical Analysis</i>	26	130
12.	<i>Botany</i>	8	40
13.	<i>Analysis of Urine</i>	...	48
14.	<i>Pharmacognosy</i>	...	15
15.	<i>Prescription Work</i>	26	78
16.	<i>State Examination</i>	...	...
Total hours for the year		359	506
Average per week		33	

DESCRIPTION OF THE STUDIES OFFERED IN COURSE I.

FIRST YEAR.

1. *Pharmacy.*

Class Work, 72 Hours.

(a.) Lectures and recitations on systems of weight and measure, specific gravity and its practical utility; on heat, its generation, its measurement and its use in pharmacy.

There will also be lectures and recitations on the various processes and manipulations which find application in pharmaceutical practice; as, comminution, solution, filtration, evaporation, precipitation, crystallization, percolation, etc., etc. The working formulas for the manufacture of pharmaceutical preparations will be given; the various methods will be criticised and the merits and demerits of each pointed out to the student.

(b.) The official, and the important unofficial galenical preparations will be subjected to systematic study. Special attention will be given to the chemistry involved.

(c.) The composition of the more important galenical preparations and composite medicines.

(d.) A practical course in *pharmaceutical arithmetic* will be given. Calculations which find application in practical pharmacy, manufacturing, or in analytical work, will be taught.

Laboratory Work, 216 Hours.

In the laboratory each student will make, independently, though under the personal supervision of the instructor, the following preparations:

Medicated waters.	Extracts.
Solutions.	Masses.
Syrups.	Glycerites.
Elixirs.	Confections.
Infusions.	Honeys.
Decoctions.	Powders.
Vinegars.	Oleates.
Tinctures.	Ointments.
Fluid extracts.	Cerates.
Soluble extracts.	Plasters.
Spirits.	Pills.
Mucilages.	Capsules.
Mixtures.	Troches.
Liniments.	Suppositories.
Emulsions.	

The aforementioned work will be followed by the manufacturing of inorganic and organic chemicals.

This, like all the laboratory work in the course, is obligatory; but students who have had much experience and acquired special skill in manufacturing will be excused from part or all of the above and provided with advanced work.

2. *Inorganic Qualitative Analysis.*

Class Work, 78 Hours.

Students learn thoroughly the scientific names and chemical formulæ of the various inorganic compounds—hydroxides, oxides, acids, and salts. Rules are committed on precipitation and on solubility. These rules are of great value, not merely in analytical work, but also in prescription work, where they aid the student in the study of the incompatibilities of inorganic substances. The general process for the detection of acids and bases is committed by the student. He is also taught to write the equation for each chemical reaction.

Laboratory Work, 234 Hours.

In the laboratory the student verifies the rules on precipitation and solubility; he becomes thoroughly familiar with the chemical behavior of the various acids and bases; he repeatedly works through a scheme of separation and identification of the acids and bases; he then subjects individual unknowns (mixtures of chemical compounds) to a qualitative examination, and reports his results to the instructor.

3. Physiology.*Class Work, 26 Hours.*

The instruction in this subject comprises a description of the organs of the body, with a brief discussion of their functions and the influences exerted on the same by external conditions. The principal object is to prepare the student for the study of therapeutics.

4. Therapeutics and Doses.*Class Work, 26 Hours.*

(a.) Medicines are classified according to their therapeutical uses. The different classes are defined and arranged in a manner which will facilitate their study.

(b.) In connection with learning the therapeutical uses of medicines, the student will learn the quantities in which these medicines are administered. A carefully prepared *dose-table* is given. In this table medicines are grouped in a manner which will enable the student to memorize them with comparative facility.

5. Pharmacognosy. (The Recognition of Chemicals and Drugs.)

Laboratory Work, 36 Hours.

The student will be taught to identify chemicals and crude vegetable and animal drugs by physical characteristics—appearance, taste, and color. He will also receive a thorough drill on their Latin and English names, with spelling and pronunciation. History and habitat will be given whenever of practical importance.

These studies will be pursued by the class in sections, so that each student can receive the benefit of individual instruction.

6. Medicinal Plants.

Class and Laboratory Work, 20 Hours.

This work consists in the collection and study of an herbarium of medicinal plants.

7. Organic Chemistry.

Class Work, 72 Hours.

Lectures and recitations on carbon compounds; their classification, structural formulæ, etc. These lectures and recitations are merely preparatory to subsequent work in this subject.

8. Quantitative Analysis—Introductory Work.

Class and Laboratory Work, 120 Hours.

Lectures on the underlying principles of gravimetric and volumetric analysis, with laboratory work to verify and illustrate the same. In the laboratory the student becomes familiar with quantitative operations in determining moisture, ash in filter paper, lead, iron, and sulphuric acid, by gravimetric processes; and sulphuric acid, sodium carbonate, and ammonia, by volumetric methods.

SECOND YEAR.

9. *Chemistry, Pharmacy, Materia Medica and Therapeutics.*

Class Work, 260 Hours.

Lectures and recitations. Chemical and pharmaceutical substances are studied in the following order:

- (1.) Inorganic Chemicals and Preparations.
- (2.) Organic Chemicals and Preparations.
- (3.) Vegetable Drugs and Preparations.
- (4.) Animal Drugs and Preparations.

Beginning with the inorganic chemicals, each substance is treated as follows:

(1.) *Introductory and General.* Study is made of source, Latin and English names, chemical formula, official compounds and preparations, color, form, odor, taste, solubility, preservation, industrial and domestic use.

(2.) *Manufacture.* Process of preparation; impurities and adulterations.

(3.) *Analysis.* Qualitative tests for identity and for impurities; quantitative estimations and pharmacopeial requirements.

(4.) *Therapeutics.* Medical action and use, antidote and dose.

10. *Manufacturing Chemistry and Pharmacy.*

Class Work, 39 Hours. Laboratory Work, 195 Hours.

(a.) The manufacture of inorganic and organic chemicals and their preparations.

(b.) The manufacture of certain complex galenical preparations, not included in the work of the first year.

(c.) The isolation of certain plant principles of medicinal importance.

(d.) The manufacture of elegant pharmaceuticals and toilet preparations. To this subject of Manufacturing Chemistry and Pharmacy three afternoons a week for twenty-six weeks are devoted.

11. *Pharmaceutical Analysis.* (Inorganic and Organic.)

Class Work, 26 Hours.

(a.) Continuation of first year work in Inorganic Qualitative Analysis, with special reference to testing for impurities in inorganic chemicals, according to the U. S. Pharmacopœia.

(b.) Lectures and recitations on methods for identification of the more important organic compounds.

(c.) Lectures and recitations on methods for separation and identification of the more important inorganic and alkaloidal poisons, in the presence of other organic material, illustrating the general methods employed in *Toxicology*.

(d.) Lectures and recitations on the Quantitative estimation of chemicals and preparations, by both gravimetric and volumetric methods. The quantitative operations of the U. S. Pharmacopœia will be given special prominence in this work.

(e.) Lectures and recitations on *Pharmaceutical Assaying*, which consists in the quantitative estimation of the active constituents in crude drugs and pharmacopœial preparations. This work familiarizes the student with the various standard methods of assaying.

Laboratory Work, 130 Hours.

(a.) Separation and identification of inorganic compounds, together with the identification of impurities in chemicals that fail to fulfill the pharmacopœial requirements for purity.

(b.) Identification of such compounds as benzine, alcohol, chloroform, glycerin, glucose, sucrose, chloral hydrate, tannic, gallic, tartaric, benzoic and salicylic acids, quinine, strychnine, morphine, and caffeine.

(c.) Detection of inorganic and alkaloidal poisons, in the presence of other organic material. The student will work on poisoned foods, separating and identifying the poisons.

(d.) Laboratory work in specific gravity and melting point determinations; gravimetric determinations of iron, aluminum, zinc, calcium, magnesium, sulphuric acid, hydrochloric acid, phosphoric acid, etc.; volumetric determinations by saturation, precipitation, oxidation and reduction; gasometric analysis; quantitative determinations of the U. S. Pharmacopœia.

(e.) Estimation of the active constituents of cinchona, opium, nux vomica, aconite, belladonna, guarana, ipecac, podophyllum, fluid extracts, pill masses, scale-salts; also the determination of the amount of alcohol and glycerin in galenical preparations.

12. Botany.

Glass Work, 8 Hours.

Lectures: Treating of the embryo, germination, with its conditions and phenomena, structure and functions of the parts of the plant body, assimilation, respiration, growth, irritability, movements, and fertilization.

Laboratory Work, 40 Hours.

(a.) A careful study of the compound microscope and its appliances, together with practice in mounting, sectioning, etc.

(b.) A study of the various tissues and tissue elements.

(c.) A study of the gross anatomy of typical plants.

13. Analysis of Urine.

Laboratory Work, 48 Hours.

Instruction is given on the composition of urine; on abnormal constituents and their pathological indications.

Laboratory work consists in the chemical and microscopical examination of normal and abnormal urine. The student is furnished with natural (not artificial) samples, obtained through resident physicians.

14. Pharmacognosy.

Laboratory Work, 15 Hours.

A review and continuation of the recognition of chemicals and crude drugs of the first year.

Attention is also given to the recognition of the pharmacopœial preparations.

15. Prescription Work.

Class Work, 26 Hours.

Lectures and recitations on the prescription, and on incompatibilities. Also a drill in Latin, with reading, interpreting, and correcting of Latin prescriptions.

Special attention is paid throughout the year to doses, solubility of chemicals, and to the composition of pharmaceutical preparations.

Laboratory Work, 78 Hours.

In the dispensing laboratory students experiment with incompatible mixtures, thereby becoming familiar with the difficulties commonly met with at the prescription counter, and learning how best to overcome them. They fill numerous prescriptions taken from the files of drug stores, besides many typical ones furnished by the instructor.

The acquisition of manipulative skill—skill in measuring, weighing, powder folding, pill rolling, capsule filling, etc.—constitutes a prominent feature of this work.

Before entering upon prescription work, students are required to pass a review examination on doses of drugs and the percentage composition of their preparations. This examination will be held at the beginning of the second year.

16. State Examination.

This examination is conducted by the Committee on Education of the Indiana Pharmaceutical Association, and will be held Thursday, March 23, 1899.

TEXT-BOOKS.

The following text-books (latest editions) will be used:

First Year—

Sturmer's Laboratory Course in Pharmacy.

Culbreth's Materia Medica.

U. S. Pharmacopœia.

Green's Notes on Chemistry.

Second Year, in Addition to Those of the First Year—

Newth's Inorganic Chemistry.

The National Formulary.

EXPENSES.

The fees, which are payable in advance, are as follows:

FIRST TERM.

Entrance fee	\$5 00
Incidentals	5 00
Chemicals	14 00
Deposit for breakage.....	10 00
Total.....	\$34 00

About one-third of this deposit for breakage is usually returned to the student at the end of the year.

SECOND TERM.

Incidentals	\$5 00
Chemicals	14 00
Total.....	\$19 00

No extra fees are required of students who come from other States. Good board may be had for \$2.50 a week, and by clubbing together students can reduce board to about \$2.00 or \$2.25. Furnished rooms can be had for about 75 cents per week, when two students room together. The total expense of board, room rent, fuel, fees, books, and laundry for twenty-six weeks need not exceed \$155, and for thirty-six weeks need not exceed \$200. A fee of \$5.00 will be required for the diploma. Students taking Course I do not have the privilege of rooming in the dormitory.

COURSE II.

DEGREE GIVEN.

Bachelor of Science in Pharmacy.

LENGTH OF COURSE.

Four years of thirty-six weeks each. The next year opens Wednesday, September 14, 1898.

REQUIREMENTS FOR ADMISSION.

These are stated in detail on page 140 of the general catalogue of the University. This catalogue will be furnished on application.

OUTLINE OF REQUIRED STUDIES IN COURSE II.

FRESHMAN AND SOPHOMORE YEARS.

[Identical with the Freshman and Sophomore years in the School of Applied Science. See general catalogue, pages 99 and 100.]

JUNIOR YEAR.

Literature, see general catalogue, page 123.

History, see general catalogue, page 124.

German or French, see general catalogue, pages 128 and 129.

Pharmacy, see Pharmacy catalogue, page 12.

Therapeutics and Doses, see Pharmacy catalogue, page 14.

Pharmacognosy, see Pharmacy catalogue, page 15.

Organic Chemistry, see Pharmacy catalogue, page 15.

Medicinal Plants, see Pharmacy catalogue, page 15.

SENIOR YEAR.

Human Physiology, see general catalogue, page 109.

Political Economy, see general catalogue, page 125.

Chemistry, Pharmacy, Materia Medica and Therapeutics, see Pharmacy catalogue, page 16.

Manufacturing Chemistry and Pharmacy, see Pharmacy catalogue, page 16.

Pharmaceutical Analysis, see Pharmacy catalogue, page 17.

Analysis of Urine, see Pharmacy catalogue, page 18.

Pharmacognosy, see Pharmacy catalogue, page 19.

Prescription Work, see Pharmacy catalogue, page 19.

State Examination, see Pharmacy catalogue, page 19.

Food Analysis.

Class Work.

Lectures on methods of food analysis and the detection of impurities and adulterations.

Laboratory Work.

The student analyses, and tests for adulteration, such foods as milk, butter, cheese, sugar, and vinegar. The sugar analysis includes polariscopic determinations.

Pharmaceutical Jurisprudence.

Lectures on the legal duties and liabilities of a druggist.

Electro-Therapeutics.

Lectures on the treatment of diseases by means of electricity. Practical demonstrations in the use of x-rays in surgery will also be given.

Water Analysis.

(Sanitary and Mineral.)

Class Work.

Lectures on the classification and composition of natural waters, methods of analysis, and interpretation of results.

Laboratory Work.

Each student will subject two samples of water to mineral analysis, and five samples of drinking water to sanitary analysis.

*Micro-Botany.**Laboratory Work.*

In the detection of adulteration in powdered vegetable drugs.

*Bacteriology.**Class and Laboratory Work.*

This work is designed to familiarize the student with the usual methods of bacteriological work, special attention being given to the examination of water, sewage, ice, and milk, and also to the identification of pathogenic forms, such as *Bacillus tuberculosis* in sputum and the diphtheria bacillus in diseased throats.

*Thesis.***EXPENSES.**

Entrance fee	\$5 00
Incidental fee per annum	10 00
Laboratory and library fees, per annum—	
Freshman	12 00
Sophomore	16 00
Junior	20 00
Senior	28 00

One-half of the incidental fee and one-half of the laboratory and library fee are payable at the beginning of the first term, and one-half at the beginning of the second term.

Laboratory fees cover expenses for drawing paper, chemicals, and all other laboratory material used by students, and for the use of microscopes and other apparatus.

Students are required to make deposits for breakage and use of apparatus in chemistry and pharmacy :

Freshman, for chemistry	\$2 50
Sophomore, for chemistry	5 00
Junior, for pharmacy	5 00
Senior, for pharmacy	10 00

STUDENTS 1897-98.

COURSE LEADING TO THE DEGREE OF GRADUATE IN PHARMACY.

FIRST YEAR.

WM. W. ALEXANDER.....	Letart Falls, Ohio.
HENRY J. ANDREW.....	Laporte.
WARREN N. BENSON.....	Terre Haute.
HALLIE J. BERNHARD	Palmyra, Mo.
WM. M. BLAIR.....	LaFayette.
EVERETT BROWN	Pleasant Grove.
ERNEST A. BROWN	West LaFayette.
JOSEPH B. BURNS	Elwood.
JOHN LOUIS BUTSCH	Lynnville.
HENRY L. BYERS.....	Trafalgar.
WALTER M. CARAWAY.....	Greenfield.
CHARLES M. CARY	DeKalb, Ill.
BERT W. COHN.....	Peru.
KARL J. DECKER.....	Ligonier.
WM. F. DOWNS	Battle Ground.
ERNEST ELLIOTT	Corvallis, Oregon.
WILL L. FITZGERALD.....	Rochester.
JOHN FOSLER	Richmond.
JOHN GIFFORD	Sheridan.
HARRY GUNDELFINGER	West LaFayette.
WALTER N. HEADINGTON	Portland.
FRED. D. HERBOLD.....	Eugene, Oregon.
GEORGE P. HICKMAN	Cleburn, Texas.
CHAUNCEY R. HITCH	Hazleton.
CHARLES O. HOFFMAN.....	West Manchester, Ohio.

HARRY LEE HOWELL.....	Kouts.
JOSEPH C. HUTZELL.....	Ft. Wayne.
FRANK G. JOHNSON.....	Indianapolis.
SHERMAN A. JOHNSON	Plymouth.
J. F. W. KANZLER.....	Rockport.
A. H. KING.....	Indianapolis.
J. E. LEMMON.....	Greensburg.
CLARENCE C. McCULLOUGH.....	Columbus.
FRANK MCKINNEY	Arcola, Ill.
ELBERT B. MERRITT.....	Circleville.
WM. E. MILLER.....	New Buffalo, Mich.
FRED A. MOORE.....	Vincennes.
THOMAS E. MORRIS.....	Hobbs.
CHARLES J. MOUTOUX	Evansville.
HENRY M. MUGG.....	Quincy.
CHARLES W. ORR.....	Arcadia.
ALONZO M. PECKA.....	Newberg.
JOHN D. PHELAN.....	Indianapolis.
CHARLES W. SCOTT....	Indianapolis.
HARRY L. SEMANS.....	Noblesville.
JOSEPH A. SIGL.....	Ft. Wayne.
T. H. SMITH	Vallonia.
OTTO L. SNYDER.....	Ft. Wayne.
WALTER C. STEDTFELD.....	Indianapolis.
C. F. P. TEMPLE.....	Indianapolis.
CLEM THISTLETHWAITE.....	Richmond.
CLARENCE V. WATERS.....	Eaton, Ohio.
GUY O. WILDASINN.....	Dayton, Ohio.
OLIVER P. WITHERS.....	Knightsville.

SECOND YEAR

THOMAS H. BATTLE	Butler, Ga.
GEORGE L. BERRY.....	Terre Haute.
JAY L. BITTLE	Wingate.
EDGAR K. BRAZELTON	Princeton.

ERNEST E. BROCKMAN	Mt. Sterling, Ill.
DEWITT G. BROWN	Crescent City, Ill.
ELMER R. BURGIN	Royalton.
THOMAS H. CLOSE	Little York.
JOHN W. CONNOR	LaFayette.
EARL H. COSNER	Greencastle.
EDWARD L. FIESER	Rochester.
JOHN A. GARRETTSON	Terre Haute.
FLOYD A. GRESHAM	Delphi.
GEORGE W. HAVENS	Rushville.
ARTHUR L. JOHNSON	Bourbon.
FRED C. KAPPUS	New Washington, Ohio.
WARREN M. KNAPP	Cambria.
WALTER S. LAWSON	Oxford.
WILLIAM J. LENTZ	Roann.
EUGENE D. LUKE	Elkhart.
CHARLES R. LUSK	Bluffton.
OTTO LIENKAEMPER	Franklin, Wis.
LEOPOLD A. MATTES	South Bend.
F. W. H. MEINZEN	Ft. Wayne.
FRANKLIN W. MILLER	Whitaker.
GUY B. MILLER	Bluffton.
W. H. O. MINTER	Indianapolis.
JUDSON D. MOSCHELLE	Indianapolis.
SIEGMAR MÜHL	Indianapolis.
CLYDE McCARTY	Gosport.
AUGUSTUS McMILLAN	West LaFayette.
CLARENCE S. PRENTISS	Quincy, Mich.
WILLIAM M. PURDY	Morocco.
EDWARD L. RUDIG	North Manchester.
J. W. MILLER SCHMITT	Springfield, Ill.
FREDERICK W. STELLHORN	Ft. Wayne.
HENRY B. VOGES	Terre Haute.
FRED H. VOGT	Indianapolis.
CHARLES A. WARREN	Watseka, Ill.
ROBERT WEBER	Ft. Wayne.

COURSE LEADING TO THE DEGREE OF PHARMACEUTICAL CHEMIST.

FIRST YEAR.

WARREN N. BENSON.....	Terre Haute.
WM. M. BLAIR.....	LaFayette.
ERNEST A. BROWN.....	West LaFayette.
JOHN L. BUTSCH.....	Lynnville.
KARL J. DECKER.....	Ligonier.
ERNEST ELLIOTT.....	Corvallis, Oregon.
FRED D. HERBOLD.....	Eugene, Oregon.
SHERMAN A. JOHNSON.....	Plymouth.
ELBERT B. MERRITT.....	Circleville.
CHARLES J. MOUTOUX.....	Evansville.
SIEGMAR MÜHL.....	Indianapolis.
CLARENCE C. McCULLOUGH.....	Columbus.
JOHN D. PHELAN.....	Indianapolis.
JOSEPH A. SIGL.....	Ft. Wayne.
T. H. SMITH	Vallonia.
ROBERT WEBER	Ft. Wayne.
GUY O. WILDASINN.....	Dayton, Ohio.

SECOND YEAR.

JOHN W. ALMOND.....	LaFayette, Ind.
ERNEST E. BROCKMAN.....	Mt. Sterling, Ill.
DEWITT G. BROWN.....	Crescent City, Ill.
W. H. O. MINTER.....	Indianapolis.
JUDSON D. MOSCHELLE.....	Indianapolis.
AUGUSTUS McMILLAN.....	West LaFayette.
CLARENCE S. PRENTISS.....	Quincy, Mich.
HENRY B. VOGES.....	Terre Haute.
CHARLES A. WARREN.....	Watseka, Ill.

COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN PHARMACY.

FRESHMAN YEAR.

J. H. ANDREWS.....Seymour.
FRANK HARSHAWLaFayette.

SOPHOMORE YEAR.

ALBERT M. HOPPERLaFayette.
WALTER C. McFADDENShelbyville.
ELBERT W. RAWLINGS.....New Harmony.
WILBER P. WESTFALLOtterbein.

JUNIOR YEAR.

LEWIS A. HURSTMuncie.
EARL A. MEANS.....Shelbyville.
CHARLES E. VANDERKLEEDWest LaFayette.

SENIOR YEAR.

CHASE WOOD.....Winamac.

SPECIAL.

FRANK R. ELDREDLaFayette.

SUMMARY.

In course leading to Ph. G.—

First year.....	54	
Second year.....	40	
Total.....		94

In course leading to Ph. C.—

First year.....	17	
Second year.....	9	
Total.....		26

In course leading to B. S. in Pharmacy—

Freshman year.....	2	
Sophomore year.....	4	
Junior year.....	3	
Senior year.....	1	

Total.....		10
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Special.....		1
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131

Students counted twice.....		25
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Total students in School of Pharmacy.....		106
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ALUMNI.

With the Degree of Doctor of Pharmacy.

- JOHN N. HURTY, M. D., pharmacist and analytical chemist, 102 North Pennsylvania Street, Indianapolis, Ind.; President, and Professor of Chemistry and Metallurgy in Indiana Dental College; Lecturer on Hygiene in Indiana Medical College; and Secretary State Board of Health.
- GEORGE W. SLOAN, M. D., President Sloan Drug Co., 22 West Washington Street, Indianapolis, Ind.; President of the American Pharmaceutical Association, 1879-1880; Lecturer on Pharmacy in Indiana Medical College.
- JOSEPH R. PERRY, M. D., pharmacist, 356 East Washington Street, Indianapolis, Ind.; Professor of Pharmacy in the American Medical College.

With the Degree of Graduate in Pharmacy.

1886.

- ERNEST G. EBERHARDT, analytical chemist for Eli Lilly & Co., Indianapolis, Ind.
- MANUAL JAY, physician, Gunnison, Colo.
- JOHN KENNEDY, deceased.
- EDWIN J. MOWRY, pharmacist, Columbia City, Ind.
- LOUIS H. SCHULMEYER, chemist for Daniel Stewart, wholesale druggist, Indianapolis. Address, 725 Capitol Avenue N.
- BERT D. WESTENFELDER, chemist to the American Oak Leather Co., Cincinnati, Ohio. Address, 247½ Clinton Street.
- EMORY J. YEAGER, pharmacist, in the firm of Wells, Yeager & Best Co., LaFayette, Ind.

1887.

MILLARD CALDWELL, pharmacist, in the firm of Krauss & Caldwell, Hartford, City, Ind.

WILLIAM H. DICKINSON, treasurer and manager Butler Chemical Co., 160-162 Superior St., Chicago, Ill.

CHARLES L. HACKETT, pharmacist, in the firm of John Hackett & Son, Roanoke, Ind.

WILLIAM M. ROSS, pharmacist, in the firm of Clay & Ross, Dickey, N. Dak.

ALBERT W. SHOUP, physician, Battle Ground, Ind.

1888.

PETER H. FETTERS, Goshen, Ind.

SAMUEL KENNEDY, physician, Shelbyville, Ind.

GEORGE C. MORRISON, pharmacist, South East Street, Indianapolis, Ind.

WILLIAM H. STUDLEY, in the firm of Studley & Peckle, dealers in teas, coffees, spices, etc., 454 Eleventh Street, Milwaukee, Wis.

WILLIAM H. VAWTER, pharmacist, in the Vawter-Boggs Drug Co., LaFayette, Ind.

1889.

ADEN L. CAVINS, pharmacist, Bloomfield, Ind.

HENRY H. HARRIS, Boswell, Ind.

LUTHER J. HORD, President of the Oklahoma Board of Pharmacy and pharmacist, Ponca City, Oklahoma.

MERIT POST, with the American Advertising and Bill Posting Co., 280 Madison Street, Chicago, Ill.

CHARLES W. SHAFER, Morocco, Ind.

GEORGE SPITZER, Lecturer on Operative Pharmacy, Purdue University, LaFayette, Ind.

CORTICE M. WARNER, Indianapolis, Ind.

DON CARLTON WHITEHEAD, prescription clerk, with W. B. Bryant, 939 Summit, Toledo, Ohio.

1890.

ROBERT W. ALLEN, pharmacist, 1788 W. Chicago Avenue, Chicago, Ill.

ELDEN BEASLEY, pharmacist, Union, Ind.

MOSES T. BOGGS, pharmacist, in the Vawter-Boggs Drug Co., LaFayette, Ind.

BERT CRITZ.

JOHN E. DUNLAVY, Greencastle, Ind.

WILLIAM E. EASTERDAY, prescription clerk at Some's Pharmacy, northeast corner Sixth and Ohio Streets, Terre Haute, Ind.

JOSEPH L. FEIBLEMAN, traveling salesman, with Daniel Stewart Co., Indianapolis, Ind. Address, 418 East New York Street.

GEORGE W. LACEY.

ALVIN H. LEESER, prescription clerk, with A. W. Wilson & Co., 438 W. Madison Street, Chicago, Ill.

HENRY W. MEINZEN, pharmacist, corner Chute and Maumee Avenue, Fort Wayne, Ind.

FRANK RIGGS, pharmacist, in the firm of Riggs & Watkins, Marion, Ind.

FRANK E. SHATTUCK, traveling salesman with Chas. Leich & Co., Evansville, Ind.

MARION A. STOUT, pharmacist, Bluffton, Ind.

CHARLES W. WATKINS, pharmacist, in the firm of Riggs & Watkins, Marion, Ind.

JOHN M. WESTFALL, dispensing pharmacist, Polyclinic Dispensary, Missouri Medical College, St. Louis, Mo.

1891.

JOSEPH H. ANDERSON, pharmacist, Hull, Iowa.

JONATHAN M. BAUER, in charge of H. H. Flandermeyer's pharmacy, 1156 Superior Street, Cleveland, Ohio.

ISAAC D. BONNETT, pharmacist, in the firm of I. D. Bonnett & Co., Shreve, Ohio.

PAUL D. BROWN, prescription clerk, with H. E. Glick, LaFayette, Ind.

- CHARLES C. CRAMPTON, physician, Delphi, Ind.
 AUGUST DIEHL, LaFayette, Ind.
 WILLIAM S. GREEN, prescription clerk, with A. Angell, Denver,
 Colorado.
 WILLIAM J. HART, deceased.
 ALVIN L. HILLS.
 JAMES W. KYLE.
 JOSEPH O. MCCARTY, deceased.
 JOHN S. MAX.
 OSCAR A. MEANS, pharmacist, 1228 Broadway, Logansport, Ind.
 GEORGE C. METZGER, deceased.
 LOUIS W. PLOGSTERTH, prescription clerk, with S. Mühl, 949
 North Illinois St., Indianapolis, Ind.
 FRED P. PYKE, pharmacist, Anderson, Ind.
 WILDEY F. REYNOLDS, prescription clerk, with Charles W. Eich-
 rodt, corner of Tenth and West Streets, Indianapolis, Ind.
 DAVID L. RIFE, Peru, Ind.
 HARRY E. SHARRER, physician, Hammond, Ind.
 JAMES R. SPIVEY, prescription clerk, with C. C. Deam, Bluffton,
 Ind.
 FRANK O. STABLER, deceased.
 JULIUS W. STURMER, Professor of Pharmacy, Purdue University,
 LaFayette, Ind.

1892.

- JOSEPH D. BARTLETT, pharmacist in the firm of Bartlett & Co.,
 LaFayette, Ind.
 FRANK M. BEST, pharmacist in the firm of Wells, Yeager & Best
 Co., LaFayette, Ind.
 JOHN BRIGHT.
 ALBERT H. CAULKINS, traveling salesman, with Fox & Garhart,
 Indianapolis, Ind.
 FRANK CAVINS, prescription clerk, with A. L. Cavins, Bloom-
 field, Ind.
 MISS LOVE E. CRAMPTON, Delphi, Ind.
 GEORGE E. CRAVENS, Bloomfield, Ind.

- JAMES F. FISKE, prescription clerk, with W. R. Dickenson, Lead, South Dakota.
- NATHAN K. GARHART, in the firm of Fox & Garhart, manufacturers of dental specialties, Indianapolis, Ind.
- L. EDWARD GREEN, prescription clerk, with Trunk Bros., 16th and Freemont Streets, Denver, Col.
- FRANK GRIFFITH, pharmacist, Huntington, Ind.
- MISS NINA B. HART, Boonville, Ind.
- BENJAMIN M. HOAK, instructor in Materia Medica, Purdue University, LaFayette, Ind.
- EDWARD KADEL, manufacturing pharmacist, Bell & Black, Terre Haute, Ind.
- JOHN W. MCMAHAN, physician, Rochester, Ind.
- JOHN H. MILLER, prescription clerk, with R. G. Moore & Co., Vincennes, Ind.
- JOHN ROSCOE MUTZ, pharmacist, in the firm of Mutz & Lynch, Edinburg, Ind.
- EMIL REYER, manufacturing chemist for South Bend Medicine Co., South Bend, Ind.
- GEORGE B. SLOAN, secretary and treasurer Sloan Drug Co., 22 West Washington Street, Indianapolis, Ind.
- FRANK M. THORN, pharmacist, in the firm of F. Thorn & Bro., Glen Ellyn, Ill.
- THOMAS A. WEST, pharmacist, in the firm of Ott & West, Rockville, Ind.

1893.

- GEORGE W. BATES, pharmacist, in the firm of Moore & Bates, Palmyra, Mo.
- JAMES BRADEN, deceased.
- JOSEPH E. CARSON, pharmacist, in the firm of J. E. Carson & Co., West LaFayette, Ind.
- JOHN C. CLARK, prescription clerk, with Mühl & Co., Indianapolis, Ind.
- ROWLAND E. CLARK, pharmacist, Wabash, Ind.
- JOSEPH L. CRAMER, pharmacist, Covington, Ohio.

MAYNARD M. ERB, Connersville, Ind.

J. R. FRANCIS, in the firm of The J. N. Hurty Pharmacy Co. ;
Demonstrator of Chemistry in the University of Indianapolis,
Department of Dentistry ; assistant to J. N. Hurty, Analyti-
cal Chemist, Indianapolis, Ind.

WALTER L. GERHART, prescription clerk, with W. H. Gerhart,
1232 M Street, Lincoln, Neb.

WALTER E. HARDMAN, physician, Dayton, Ohio.

ISAAC M. HENDERSON, with the Eastman Packing Co., New York
City.

GUS HESS, deceased.

JUSTUS C. HOUSER, in the firm of The Houser Drug Co., Flat
River, Mo.

JACOB A. LONG, manager Oak Pharmacy, 422 Clark Street, Chi-
cago.

MISS MYRTLE L. MCMAHAN, teaching in the public schools,
Terre Haute, Ind.

LOREN B. MILLER, deceased.

HENRY H. NEAL, Prescott, Ariz.

JOHN H. ROCKWOOD, prescription clerk, with Thornton & Perry,
Goodland, Ind.

JAMES H. WELLINGTON, prescription clerk, with R. G. Ruther-
ford, 180 Myrtle Avenue, Brooklyn, N. Y.

WOOD WILES, prescription clerk, with W. C. Lindley, Blooming-
ton, Ind.

LEONARD D. WORDEN, prescription clerk, with W. F. Peter, Sey-
mour, Ind.

1894.

CHRISTIAN H. ALBERSMEYER, prescription clerk, with F. J. Mil-
ler, Fort Wayne, Ind.

WILLIAM N. ARNETT, prescription clerk, with R. C. Hampton,
1302 Hill Avenue, Indianapolis, Ind.

FRANK R. BASS, prescription clerk, with G. W. Bass, Moores-
ville, Ind.

- HARRY T. S. BEST, dispensing pharmacist, at Eastern Indiana Hospital for Insane, Richmond, Ind.
- DALLY BLAND, prescription clerk, with T. P. Marshall, Macon, Ga.
- FRANK J. BOATMAN, Indianapolis, Ind.
- HARVEY A. BURKEE, in the firm of The Elliott Varnish Co., Philadelphia, Pa.
- ALEXANDER M. CARTER, Harriman, Tenn.
- GEORGE A. CLAPESATTLE, prescription clerk, with C. F. Regedanz, Fort Wayne, Ind.
- GEORGE C. CULLOM, pharmacist, in the firm of Cullom & Rous, Frankfort, Ind.
- EDWIN C. DOWNEY, attorney, Churubusco, Ind.
- OLIVER E. DUNN, pharmacist, Crawfordsville, Ind.
- FREDERICK H. FLAUGHER, prescription clerk, with E. C. Reick, 749 S. East Street, Indianapolis, Ind.
- MISS MABEL E. FLEMING, prescription clerk, with Joseph T. Fleming, Princeton, Ind.
- WILLIS H. FOX, prescription clerk, with C. A. Fellows, Three Rivers, Mich.
- OTTO F. GRAHL, chemist, with the Keefer Pharmaceutical Co., South Bend, Ind.
- NORRIS H. HARDING, prescription clerk, with Wilmoth Wilhelm & Co., New Harmony, Ind.
- GEO. W. C. HAINES, prescription clerk, with the Hogan-Johnson Drug Co., LaFayette, Ind.
- LEONIDAS C. HINCHMAN, prescription clerk, with C. G. Traub, Corner of Alabama and St. Joseph Streets, Indianapolis, Ind.
- HARRY C. JAMES, prescription clerk, with the Hogan-Johnson Drug Co., LaFayette, Ind.
- ORLEY EVERT KENNON, prescription clerk, with A. C. Carver, Winchester, Ind.
- J. DILLON KING, pharmacist in the firm of J. D. King & Co., Thirteenth and Main Streets, Terre Haute, Ind.
- WILLIAM F. KIRKHOFF, prescription clerk, with R. Schwegler, LaFayette, Ind.

- JOHN H. KNEALE, pharmacist, in the firm of Kneale & Kneale, Brookston, Ind.
- CHARLES O. MAPLE, prescription clerk, with J. F. Blewett, Bloomington, Ind.
- AMOS M. MARSH, prescription clerk, with Walter Fox, Alexandria Bay, N. Y.
- THOMAS P. MARSHALL, pharmacist, Macon, Ga.
- HENRY M. MEHLIG, physician, Tipton, Ind.
- PERRY M. MURPHY, Brookville, Ind.
- GUSTAVUS A. PETERSDORF, recently graduated from the Indiana Medical College, Indianapolis, Ind.
- CONRAD SCHROEDER, pharmacist in the firm of Ensminger & Schroeder, Shelbyville, Ind.
- OLIVER W. STEPHENSON, prescription clerk, with J. W. Mitchell & Son, Bedford, Ind.
- FREDERICK A. STOKES, recently graduated from the Indiana Medical College, Indianapolis, Ind.
- GEORGE H. STOTLER, resident physician to Bobb's Free Dispensary, and assistant to Department of Clinical Diagnosis, Indiana Medical College, Indianapolis, Ind.
- EDWARD C. TINSLEY, physician, 728 Massachusetts Avenue, Indianapolis, Ind.
- ALVA I. ULRICH, pharmacist in the firm of Briggs & Ulrich, Kalamazoo, Mich.

1895.

- FRANK W. ARTHUR, Indianapolis, Ind.
- ARRY BALDWIN, prescription clerk, with F. H. Hubbard, Noblesville, Ind.
- HENRY L. BEERMAN, pharmacist, corner Virginia Avenue and McCarty Street, Indianapolis, Ind.
- ARTHUR BEUKE, prescription clerk, with Meyer Bros., Ft. Wayne, Ind.
- RUDOLPH P. BISCHOFF, pharmacist, in the firm of Rehling & Bischoff, Ft. Wayne, Ind.
- WALTER W. BRIGGS, pharmacist, in the firm of Briggs & Ulrich, Kalamazoo, Mich.

- JAMES D. BROWN, pharmacist, Burnettsville, Ind.
- ARTHUR B. CARR, pharmacist, Alabama and Nineteenth Streets, Indianapolis, Ind.
- CHARLES CHAVIS, prescription clerk, with D. M. Moroney, 2484 West Michigan Street, Indianapolis, Ind.
- CASSIUS E. ELLIOTT, pharmacist, Sheridan, Ind.
- EDWARD FERGER, pharmacist, Bates House Pharmacy, Indianapolis, Ind.
- GEORGE L. GARVER, Connersville, Ind.
- MISS HELENA K. GRAY, recently graduated from the Northwestern Woman's Medical College, Chicago, Ill.
- EDWARD H. JACKSON, pharmacist, in the firm of Wilson & Jackson, Long Beach, Cal.
- WILLIAM C. JONAS, Glenwood, Ind.
- JOHN H. KAPPEL, prescription clerk, with C. L. Rastetter, 305 East Washington Street, Ft. Wayne, Ind.
- CORYDON M. KNOWLTON, manager of Johnson & Burnett's Pharmacy, Martinsville, Ill.
- MARTIN J. MAUCH, prescription clerk, with L. Burns, Otterbein, Ind.
- JOHN L. MCCLUNG, prescription clerk, with Miller & Keith, Rochester, Ind.
- BERT L. McDILL, prescription clerk, with T. R. Thornburg, 190 Fort Wayne Avenue, Indianapolis, Ind.
- CLAY F. MEEK, with the Meek Roller Mills, Spencer, Ind.
- HUBERT O. MOORE, prescription clerk, with J. R. Perry, 356 East Washington Street, Indianapolis, Ind.
- HARRY C. NEWLAND, pharmacist, 730 Fort Wayne Avenue, Indianapolis, Ind.
- GEORGE ORF, pharmacist, corner Capitol Avenue and Morris Street, Indianapolis, Ind.
- SAMUEL R. PENSE, prescription clerk, with Mrs. M. A. Morris, Frankfort, Ind.
- CHARLES W. REHLING, pharmacist, in the firm of Rehling & Bischoff, Fort Wayne, Ind.
- ERNEST A. RICHEY, pharmacist, Richmond, Ind.

- REASON D. SANDERS, pharmacist, in the firm of Sanders & Taylor, Columbus, Ind.
- WILLIAM I. SCOTT, recently graduated from the Indiana Medical College, Indianapolis, Ind.
- WILLIAM J. SNODDY, pharmacist, West LaFayette, Ind.
- BENJAMIN B. TAYLOR, prescription clerk with T. E. Bradshaw, Thorntown, Ind.
- JOHN F. THORNTON, pharmacist, in the firm of Thornton & Perry, Goodland, Ind.
- MISS AGNES E. UHL, recently graduated from the Northwestern Woman's Medical College, Chicago, Ill.
- CHARLES E. VANDERKLEED, Student-Assistant in Chemistry, Purdue University, LaFayette, Ind.
- WILLIAM M. WORSHAM, prescription clerk with Ten Eick & Davis, Tippecanoe City, Ohio.

1896.

- JOHN W. ALMOND, Student-Assistant in Pharmacy, Purdue University, LaFayette, Ind.
- WM. R. BANNON, pharmacist, Fletcher Ave. and Noble St., Indianapolis, Ind.
- HARRY A. BIRK, analytical chemist, with J. N. Hurty, 102 North Pennsylvania, Indianapolis, Ind.
- J. E. BLINN, prescription clerk, with W. J. Snoddy, West LaFayette, Ind.
- JOSEPH A. DEMMING, pharmacist, Cleveland, Ohio.
- FRED. H. EBERSHOFF, prescription clerk, with E. M. Schnaible, LaFayette, Ind.
- HENRY G. FOEHL, prescription clerk, with F. Kleinschmidt, 579 Columbus Avenue, New York City, N. Y.
- H. E. FREEHAFFER, prescription clerk, with Milton & Eliel, South Bend, Ind.
- JOHN P. FRITZ, pharmacist, 355 Virginia Avenue, Indianapolis, Ind.

- EDWARD R. HACKETT, dispensing pharmacist at the National Military Home, Marion, Ind.
- F. P. HOOPENGARDNER, Ossian, Ind.
- HARRY C. HUNTER, pharmacist, 360 West Main Street, Ft. Wayne, Ind.
- CHARLES E. INCO, prescription clerk, with John Laval & Sons, 220 Main Street, Evansville, Ind.
- DAVID C. JORDAN, prescription clerk, with Bartlett & Co., Lafayette, Ind.
- L. B. KING, prescription clerk, with C. C. Hahn, Morris Street and Hadley Avenue, Indianapolis, Ind.
- E. F. KRATZER, prescription clerk, with T. M. Weiss, 198 Massachusetts Avenue, Indianapolis, Ind.
- EDWARD L. MERTZ, pharmacist, in the firm of Mertz & Co., 434 Calhoun Street, Ft. Wayne.
- W. W. MULKEY, prescription clerk, with W. H. Brannon, Buena Vista, Ga.
- A. D. McDONELL, prescription clerk, with S. M. Smith, Osgood, Ind.
- C. M. MCKELLIPS, prescription clerk, with A. M. Andrews, Connersville, Ind.
- J. F. REINHART, prescription clerk, with Campen Bros., 1303 S. Adams Street, Peoria, Ill.
- CARL SCHELLER, pharmacist, Evansville, Ind.
- EMIL M. SCHNAIBLE, pharmacist, 4th Street, Lafayette, Ind.
- MISS INEZ THOMPSON, Elizabethtown, Ind.
- HARRY E. WEINLAND, prescription clerk, with F. W. Shultz, Brazil, Ind.

1897.

- EDMUND B. BARNARD, Lafayette, Ind.
- HENRY M. BENTLY, manager, A. R. Hess Pharmacy, Sidney, Ill.
- HARRY J. BORST, prescription clerk, with G. F. Borst, 726 South Meridian Street, Indianapolis, Ind.
- CHARLES B. CRISS, prescription clerk, with M. F. Campbell, Lebanon, Ind.

- CARMI S. CUNNINGHAM, prescription clerk, with F. M. Ragsdale, Troy, Ind.
- VINCENT A. DITTOE, Ft. Wayne, Ind.
- FRANK E. EHLE, prescription clerk, with L. C. Davenport, Bluffton, Ind.
- FRANK R. ELDRED, Student-Assistant in Chemistry, Purdue University, Lafayette, Ind.
- HUGH GRIBBON, prescription clerk, with J. E. Hendricks, Peru, Ind.
- ADOLPH F. KLUTH, prescription clerk, with Ashman and Temple, Frankfort, Ind.
- AUGUST KOEHN, prescription clerk, with W. L. Waltemath, Lewis and Hanna Streets, Ft. Wayne, Ind.
- LOUIS A. KRAMER, pharmacist, Washington and Clay Streets, Ft. Wayne, Ind.
- HENRY J. LINDEMAN, prescription clerk, with John Basye & Son, Rockport, Ind.
- JOHN W. MCKENZIE, studying medicine at the Indiana Medical College, Indianapolis, Ind.
- HARRY G. NORWOOD, prescription clerk, with Long & Staley, Lebanon, Ind.
- GEORGE J. NUSSBAUM, prescription clerk, with H. G. Sommers, 35 Calhoun Street, Ft. Wayne, Ind.
- MISS DELPHA OREM, teaching school, Bennington, Ind.
- JOSEPH O. PERKINS, prescription clerk, with the Owl Mercantile Co., Greencastle, Ind.
- GILBERT M. PHARES, prescription clerk, with E. Hawkins & Co., Noblesville, Ind.
- OSEE A. RENAHAN, prescription clerk, with Jacob Rinard, Montpelier, Ind.
- FRANK A. ROSENER, Indianapolis, Ind.
- OSCAR E. RUSSELL, prescription clerk, with R. E. Clark, Wabash, Ind.
- ROBERT B. SPRING, prescription clerk, with the Wells-Yeager-Best Co., LaFayette, Ind.

- CHARLES W. STARZ, prescription clerk, with J. W. Decker & Co.,
Virginia, Ill.
- WILL C. STURGIS, prescription clerk, with M. A. Stout, Bluffton,
Ind.
- ALBERT J. THOMPSON, with the Virginia Cotton Mill Co., Swept-
sonville, N. C.
- EARL P. WAGNER, manager, Staple's Pharmacy, South Bend,
Ind.
- CARL C. WEISS, manufacturing pharmacist, with Ward Bros.,
Indianapolis, Ind.
- FRED. R. WIDMER, pharmacist, Dayton, Ind.
- JESSE E. WILSON, manager, Claude Fields' Pharmacy, Indianap-
olis, Ind.
- ALBERT E. YEAGER, manager, Jonesville Pharmacy, Jonesville,
Ind.

With the Degree of Pharmaceutical Chemist.

1894.

- JUSTUS C. HOUSER, in the firm of the Houser Drug Co., Flat
River, Mo.

1896.

- WILLIAM R. BANNON, pharmacist, Fletcher Ave. and Noble St.,
Indianapolis, Ind.
- H. E. FREEHAFFER, prescription clerk, with Milton & Eliel, South
Bend, Ind.
- JOHN P. FRITZ, pharmacist, 355 Virginia Avenue, Indianapolis,
Ind.
- CHARLES E. INCO, prescription clerk, with John Laval & Sons,
220 Main Street, Evansville, Ind.

- EDWARD L. MERTZ, pharmacist, in the firm of Mertz & Co., 434 Calhoun Street, Ft. Wayne.
- A. D. McDONELL, prescription clerk, with S. M. Smith, Osgood, Ind.
- C. M. McKELLIPS, prescription clerk, with A. M. Andrews, Connersville, Ind.
- EMIL M. SCHNAIBLE, pharmacist, LaFayette, Ind.
- MISS INEZ THOMPSON, Elizabethtown, Ind.
- CHARLES E. VANDERKLEED, Student-Assistant in Chemistry, Purdue University, LaFayette, Ind.
- HARRY E. WEINLAND, prescription clerk, with F. W. Shultz, Brazil, Ind.

1897.

- EDMUND B. BARNARD, LaFayette, Ind.
- HENRY M. BENTLEY, manager, A. R. Hess Pharmacy, Sidney, Ill.
- HARRY A. BIRK, analytical chemist, with J. N. Hurty, 102 N. Pennsylvania St., Indianapolis, Ind.
- FRANK E. EHLE, prescription clerk, with L. C. Davenport, Bluffton, Ind.
- FRANK R. ELDRED, Student-Assistant in Chemistry, Purdue University, LaFayette, Ind.
- JOHN W. MCKENZIE, studying medicine at the Indiana Medical College, Indianapolis, Ind.
- WILL C. STURGIS, prescription clerk, with M. A. Stout, Bluffton, Ind.
- EARL P. WAGNER, manager, Staple's Pharmacy, South Bend, Ind.
- CARL C. WEISS, manufacturing pharmacist, with Ward Bros., Indianapolis, Ind.



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